

Amendments to the Specification:

Please amend the specification as follows:

Please replace the paragraph beginning on page 10, line 20 and ending on page 12, line 4 with the following amended paragraph:

The drives and their associated computer storage media, discussed above and illustrated in FIG. 1, provide storage of computer-readable instructions, data structures, program modules, and other data for the computer 110. In FIG. 1, for example, hard disk drive 141 is illustrated as storing operating system 144, application programs 145, other program modules 146, and program data 147. Note that these components can either be the same as or different from operating system 134, application programs 135, other program modules 136, and program data 137. Operating system 144, application programs 145, other program modules 146, and program data 147 are given different numbers herein to illustrate that, at a minimum, they are different copies. A user may enter commands and information into the computer ~~110~~²⁰ through input devices such as a keyboard 162 and pointing device 161, commonly referred to as a mouse, trackball or touch pad. Other input devices (not shown) may include a microphone, joystick, game pad, satellite dish, scanner, a touch-sensitive screen of a handheld PC or other writing tablet, or the like. These and other input devices are often connected to the processing unit 120 through a user input interface 160 that is coupled to the system bus, but may be connected by other interface and bus structures, such as a parallel port, game port or a universal serial bus (USB). A monitor 191 or other type of display device is also connected to the system bus 121 via an interface, such as a video interface 190. In addition to the monitor, computers may also include other peripheral output devices such as speakers 197 and printer 196, which may be connected through an output peripheral interface ~~195~~¹⁹⁰.

Please replace the paragraph beginning on page 21, line 14 and ending line 18 with the following amended paragraph:

For example, inserting the interval $[6, 6]$ into the AVL tree of FIG. 3 may result in AVL tree shown in FIG. 4. Note that node 315 of FIG. 3 was eliminated and the interval therein combined with the interval in node 305 to create the AVL tree with node 405 shown in FIG. 4.